

Work Order ID 93746

\*93746\*

Page 1

November-27-12 11:02:27 AM

Item ID: D3912-3

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Eyebolt Block

Start Date: 11/22/12 Start Qty: 24.00

\*24\*

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 24.00

\*24\*

Customer:

Reference:

Approvals: Process Plan: HLTJ Date: 12-11-23 Tooling:

Date:

Run Start \*NR1\*

QC: Date: SPC (Y/N):

Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3912	B								
100	Cut blanks as per folio	0.00							
*100*						24			
Bandsaw	Memo	0.00							
Jeaspa Bandsaw	CUT BLANK 2.50" LONG		FK	12/12/23					
110		0.00							
*110*						24			
HAAS I	Memo	0.00							
HAAS CNC vertical machine #1	MACHINE AS PER FOLIO FA870 AND DWG								
	FOLIO REV: A								
	DWG REV: B								
	DEBURR								
			FK	12/12/23					

November-27-12 11:02:27 AM

Page 2

8/13/01/02

Work Order ID 93746

\*93746\*

Page 3

November-27-12 11:02:27 AM

Item ID: D3912-3

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: Eyebolt Block

Start Date: 11/22/12 Start Qty: 24.00

\*24\*

Cust Item ID:

Required Date: 12/07/12 Req'd Qty: 24.00

\*24\*

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
170	QC21- Final Inspection - Work Order Release	0.00							
*170*									
QC	Memo	0.00							
Quality Control									

13/1/10 [Signature]  
13-01-2

# Picklist Print

November-27-12 11:02:26 AM

Page 1

Work Order ID: 93746

Parent Item: D3912-3

Parent Item Name: Eyebolt Block

Start Date: 11/22/12

Required Date: 12/07/12

Start Qty: 24.00

Required Qty: 24.00

Comments: IPP REV:A NEW ISSUE 09-11-25 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M303B1.000X1.000 303 BAR 1" X 1"		Purchased	No			100	f	1.8149	0.208	5.2547376			

Location

Loc Qty

Loc Code

MAT050

1.8148904

122217

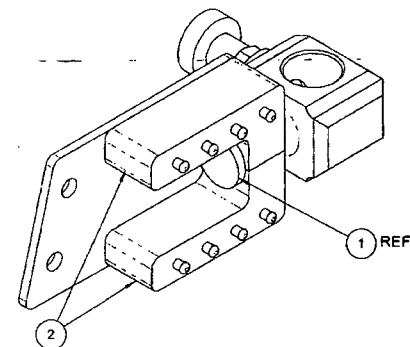
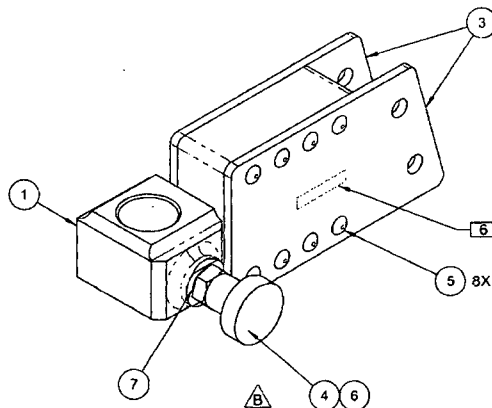
1.8148904

124581

S.255 Fk 12/12/23



ITEM	QTY -041	P/N	DESCRIPTION
	X	D3912-041	EYEBOLT RECEIVER ASSY
1	1	D3912-1	EYEBOLT
2	2	D3912-3	EYEBOLT BLOCK
3	2	D3912-5	EYEBOLT PLATE
4	1	D3801-1	SPRING PLUNGER
5	8	MS20615-4M20	RIVET
6	1	MS21209-F615	HELICAL
7	1	NAS1149F0332P	WASHER



SUPPLEMENTAL ISO VIEW  
(EYEBOLT PLATE REMOVED  
TO SHOW INTERIOR FEATURES)

UNCONTROLLED COPY  
SUBJECT TO CHANGE  
WITHOUT NOTICE  
93746 MLS  
12-11-27

RELEASED  
2010-07-16

# **D3912-041 EYEBOLT RECEIVER ASSY**

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N D3912-041 USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT -041: 1.58 lbs

B	D3801-1 WAS D3810-1 SPRING PLUNGER; D4028-041 RMV; MS21209-F615 WAS MS21209-C610 HELICAL; (1) WASHER NAS1149C0683R ADDED; BOSS ADDED TO D3912-1.	JPH	10.06.28
A	NEW ISSUE	JPH	10.03.04
REV.	DESCRIPTION	BY	DATE
DESIGN	1/5		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.06.28		

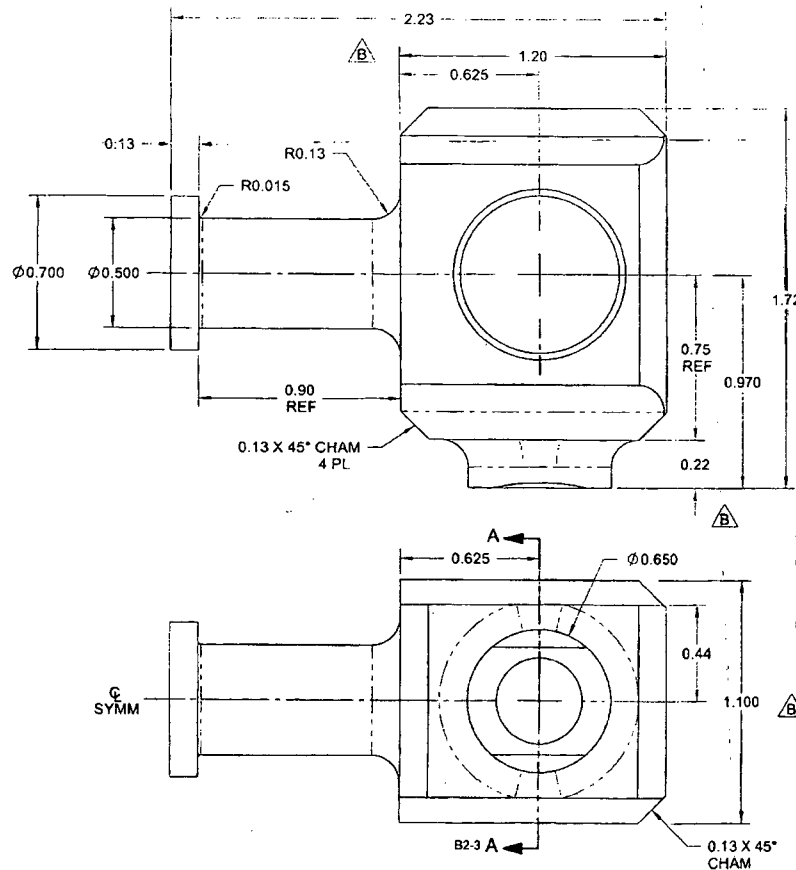
**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3912** REV. B  
SHEET 1 OF 3

TITLE **EYEBOLT RECEIVER ASSY** SCALE NTS

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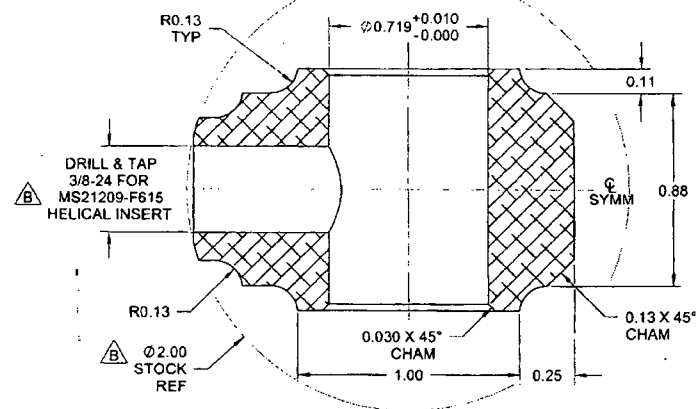
93746



**D3912-1 EYEBOLT**

**NOTES:**

- 1) MATERIAL: 303/304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276 OR ASTM A582  
REF DART SPEC M303R OR M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ID AT ASSEMBLY
- 7) WEIGHT: 0.45 lbs

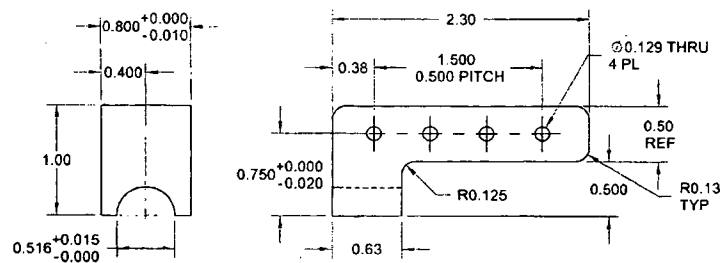
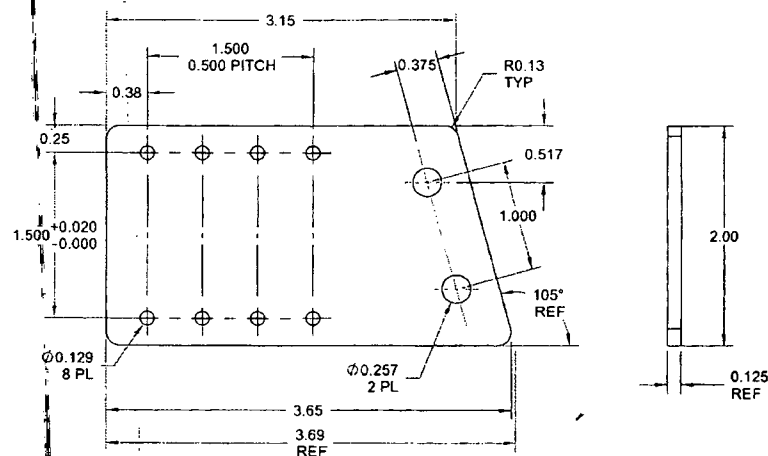


**SECTION A-A B6-3**

**RELEASED**  
2010-07-16

DESIGN	ALS	<b>DART AEROSPACE LTD</b>	
DRAWN	AS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	AS	D3912	SHEET 2 OF 3
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	EYEBOLT RECEIVER ASSY	NTS
DATE	10.06.28	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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93746

**D3912-3 EYEBOLT BLOCK****D3912-5 EYEBOLT PLATE****NOTES:**

1) MATERIAL -3: 303/304/316 STAINLESS STEEL BAR, PER ASTM A276  
REF DART SPEC M303B OR M304B

-5: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.125 THK  
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240  
REF DART SPEC M303S11GA OR M304S11GA

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: ID AT ASSEMBLY

7) WEIGHT -3: 0.30 lbs

-5: 0.24 lbs

**RELEASED**  
2010-07-16

DESIGN	ASS	<b>DART AEROSPACE LTD</b>	
DRAWN	81	HAWKESBURY, ONTARIO, CANADA	
CHECKED	81	DRAWING NO.	REV. B
MFG. APPR.	81	D3912	SHEET 3 OF 3
APPROVED	81	TITLE	SCALE
DE APPR.	81	<b>EYEBOLT RECEIVER ASSY</b>	
DATE	10.06.28	NTS	

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WRITTEN PERMISSION FROM DART AEROSPACE LTD



# Receiving Report

Date: 12/12/20 Batch No: M124081  
 Supplier: McBauer Castle Part P/O: 18641  
 Packing Slip: Yes ☒ No ☐ Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Invoice: Yes ☐ No ☒ Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Receipt: Cash ☐ Cr ☒ Shipment Complete: 24/12/24 N/A ☒  
 QC6 Inspection 24/12/24 N/A ☒  
 Work Order \_\_\_\_\_

Discrepancies		Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
Part Number	Description					
3	ITEM B.O					

Initials of receiver (if shipment OK) Level 12 [Signature]

Location \_\_\_\_\_

Production/Admin: 12/12/21  
 Date  
 Received/Costing  
 Initial [Signature]

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

Date  
 Can you please find me the original  
 decin for this please.

Thank you

E. Downing 13/04/17 @ 12:00 pm (noon).



**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1579315

<b>Ship From:</b> MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 19-DEC-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid		<b>Carrier</b> MANITOULIN		<b>BOL No</b> 1579315-2	

<b>Shipment Details</b>				<b>Final Destination Branch - MON</b>			
<b>Order No</b> 2588694	<b>Line No</b> 1	<b>Item No</b> 4885	<b>Description</b> 1.0000.SQ.303.STAINLESS.CD.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
<b>Purchase Order No</b> 18641		<b>Part Number</b>		<b>Ordered Qty</b> 24.00 FT	<b>Invoice Qty</b> 25.8333 FT		
<b>Details</b>							
<b>Delivery No.</b> 118235018	<b>Mill</b> VALBRUNA CORPORATION	<b>Heat Number</b> 257243	<b>Mech Id</b>	<b>PCS</b> 2	<b>Width (IN)</b>	<b>Length (IN)</b> 155.0000	<b>Shipped Qty(LBS)</b> 86.0000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

**VALBRUNA**SLATER STAINLESS, INC.  
2400 TAYLOR STREET WEST - PO BOX 680  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801**Product Certification Report**Report Number: **4824840**

122929-8

Certified on Oct 01, 2012 Page 1 of 1

Order I.D. 1101650 005		Order Date 11/29/11		Commodity Code 4885	
Dim 1 1.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 257243	Customer I.D. 001123	Customer Purchase Order 122929
Product Shape Cold Drawn Squares			Product Surface Cold Drawn Finish		Customer Grade 303
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 418118	Weight	

**Ship To**CASTLE METALS  
3400 NORTH WOLF ROAD  
FRANKLIN PARK, IL 60131**Sold To**VALBRUNA STAINLESS, INC.  
2400 TAYLOR STREET WEST  
FORT WAYNE, IN 46802**Lifts: 0057**

AISI 303

Condition A

3303-22 REV 29

UNS S30300

ASTMA 484-11

ASTMA 582-05

AMS 5640U TYPE 1

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	Co	N
.046	1.76	.030	.28	.51	17.34	8.17	.43	.51	.12	.03

**BRINELL HARDNESS ASTM E10-12**

HBW

223

**TENSILE PROPERTIES ASTM E8-11**

TS (PSI)	2%YS (PSI)	%EL (2")	%RA
107800	63800	47.3	57.0

**MACRO ASTM E340-00/E381-01**

MACRO

OK

No welding or weld repair done.

Material when shipped is free from contamination by mercury, radium, alpha source, and low melting elements.

Chemical testing to one or more of the listed ASTM methods: E415-08, E572-02a, E1019-11, E1085-95, E1086-08

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info.

I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: DHackett@valbruna.us

Dennis Hackett

12/12/22



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO18641**

Purchase Order Date 12/12/12

PO Print Date 12/12/12

Page Number 1 of 2

Order From : VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Contact Name  
Vendor Phone 514 694 9575  
Vendor Fax 514 695 3281  
Vendor Account Nbr

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Resale Nbr 10127-2607  
Terms Net 30  
Currency CAD  
FOB Destination-Collect

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
*Chantal Lavoie*

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M7075T6S.160	7075-T6 Sheet .160	12/28/12 Yes	48.00 sf	Yours ppd	\$18.2500	\$876.00
		Special Inst: MATERIAL: 7075-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR ASTM B209					
2	M174B0.250X4.000	17-4 SS Bar .250 X 4.00	12/28/12 Yes	12.00 f	Yours ppd	\$55.4700	\$665.64
		Special Inst: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/6543 GRAIN MUST BE ALONG LENGTH OF BAR					
3	M174B1.250X02.000	17-4 SS Bar 1.250 x 2.00	12/28/12 Yes	✓ 24.00 f	Yours ppd	\$46.3500	\$1,112.40
		Special Inst: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/6543 GRAIN MUST BE ALONG LENGTH OF BAR					

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr: 1

Change Date: 12/12/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18641

Purchase Order Date 12/12/12

PO Print Date 12/12/12

Page Number 2 of 2

Order From :

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Contact Name

Vendor Phone 514 694 9575

Vendor Fax 514 695 3281

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

QTY	Part Number	Description	Unit	Price	Amount	Subtotal
4	M174B1.500X02.250	17-4 SS Bar 1.50 X2.250	12/28/12	12.00	Yours ppd	\$91.1700
		Yes		f		\$1,094.04

Special Inst: MATERIAL: 17-4 PH SS BAR AS PER  
AMS 5604/6543 GRAIN MUST BE  
ALONG LENGTH OF BAR

5	M303B1.000X1.000	303 BAR 1" X 1"	12/28/12	24.00	Yours ppd	\$15.2800
		Yes		f		\$366.72

Special Inst: MATERIAL: AISI 303 SS BAR AS PER  
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

6	M303R0.500	303 Round Bar 0.500"	12/28/12	60.00	Yours ppd	\$2.0400
		Yes		f		\$122.40

Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS  
PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

7	M303R0.625	303 Round Bar 0.625"	12/28/12	60.00	Yours ppd	\$3.0700
		Yes		f		\$184.20

Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS  
PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

PO Total:

\$4,421.40

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 12/12/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required YES NO